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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/501,928

07/28/2004

Hisayuki Hirai

256465US2PCT

2159

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7590

07/28/2008

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.  
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ALEXANDRIA, VA 22314

EXAMINER

LEE, EDMUND H

ART UNIT

PAPER NUMBER

1791

NOTIFICATION DATE

DELIVERY MODE

07/28/2008

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b> 10/501,928	<b>Applicant(s)</b> HIRAI ET AL.	
	<b>Examiner</b> EDMUND H. LEE	<b>Art Unit</b> 1791	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 01 May 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) 15 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/28/04, 8/8/05, 1/31/07</u> .                                | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. Claim 15 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 5/1/08.

2. Applicant's election without traverse of claims 1-14 in the reply filed on 5/1/08 is acknowledged.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 10295063 in view of JP 10058545. In regard to claim 1, JP 10295063 teaches all of the claimed limitations (paragraphs 0002, 0020-0028; figs 1-7) except using a liquid heating compound. JP 10058545 teaches impregnating a coil with a prepreg insulation wherein the prepreg is heated and cured by using a liquid heating medium (abstract and fig 1). JP 10295063 and JP 10058545 are combinable since they are analogous with respect to forming an insulated coil wherein the coil is laminated with an insulating layer. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to heat/cure the insulating layer of JP 10295063 with a liquid heating medium as taught by JP 10058545 in order to reducing heating/curing time. In regard to claims 2-5, such is taught by the combination of JP 10295063 and JP 10058545 since JP 10058545 teaches limitations of instant claims 2-5. In regard to claim 6, the use of a

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curing reaction accelerator is well-known in the coil and impregnation art. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to hold an accelerator against the mica tape of JP 10295063 in order to form a good bond between the coil and tape. In regard to claims 7-11, such is taught by JP 10295063 (paragraphs 0002, 0020-0028; figs 1-7). In regard to claims 12-13, the use of a receiving pan having the claimed design is a mere obvious matter of choice dependent on mold equipment availability and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the use of receiving pans are well-known in the impregnation art. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use a receiving pan having the claimed design in the process of JP 10295063 in order to maintain a sterile and clean molding environment.

5. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over JP 10295063 in view of JP 10058545. In regard to claim 14, JP 10295063 teaches all of the claimed limitations (paragraphs 0002, 0020-0028; figs 1-7) except using a liquid heating compound. JP 10058545 teaches impregnating a coil with a prepreg insulation wherein the prepreg is heated and cured by using a liquid heating medium (abstract and fig 1). JP 10295063 and JP 10058545 are combinable since they are analogous with respect to forming an insulated coil wherein the coil is laminated with an insulating layer. Thus, it would have been obvious to one of ordinary skill in the art at the time the

invention was made to heat/cure the insulating layer of JP 10295063 with a liquid heating medium as taught by JP 10058545 in order to reducing heating/curing time.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following US patents teach the state of the art: 6531082, 3866316, and 6069430.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND H. LEE whose telephone number is 571.272.1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571.272.1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Primary Examiner  
Art Unit 1791

EHL

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